

Intermediate NVivo

Remember...

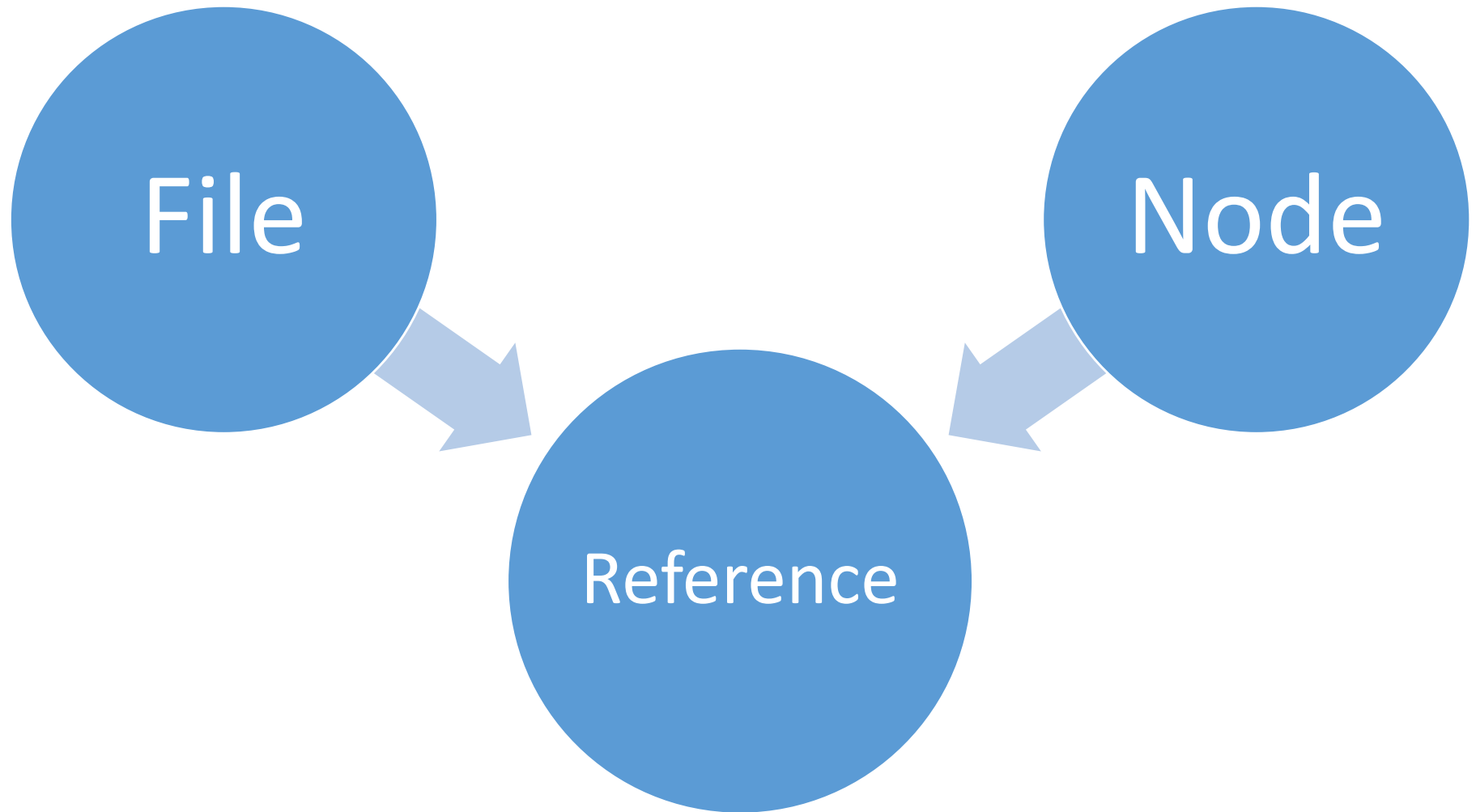
Just remember that it is *possible*,
so you will know to ask or look it up.

Some features are *not available* on the Mac or
Starter Editions. But you can bring your project to
the lab to use the features.

<http://dataservices.gmu.edu/nvivo>

datahelp@gmu.edu

Review: The Basics



Attributes and Grouping

Attributes

- **Attributes** are characteristics of an item (ex. File)
- This allows for additional grouping options
- Attributes are defined by **Classifications**
 - Because different items have different information
 - Journal Articles vs Books
 - People vs Places

Cases



Grouping Summary

What	File or Node	Group & Filter	Aggregate	Other Advantages
Folders	Both	One	--	Shows when Retrieving
Sets & Collections	Both	Many	--	
Parent Nodes	Nodes	One	One Group	Easy to Retrieve
File Attributes	Files	Many	Many	
Case Attributes	Nodes	Many	Many	Allows [Compound] Coding Query & Framework Matrix

Summary: When to use Cases

- If only part of a File is in a group
- If you want to use Framework Matrices
 - ~~Not available on Mac anyway~~
- To easily retrieve everything coded to the group
- For coding queries & compound coding queries
 - Not required for Matrix Queries

How to Set up & Store Attributes

- Can be done automatically, but lets do it by hand:
- Step 1: Create a Classification
- Step 2: Create a Case
- Step 3: Attach the Classification to the Case

Then,

- Code References
- Enter Attributes

Queries

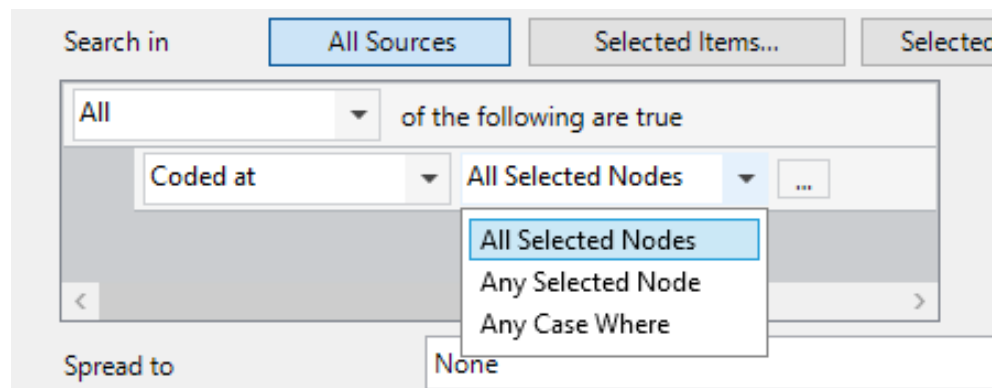
Running & Saving Queries

Queries

- **Word Frequency** \emptyset – List of Frequent Words
- **Text Search** \emptyset – Retrieve File and context of word
 - Macs do not allow stemmed words
- **Coding Query** \emptyset – Node/Case or Case attribute
- **Matrix Coding** – Items, Users, or Attributes
- **Compound** \emptyset
- **Group** \emptyset

Coding Query

- Find places where text is coded or not coded at
- Can be limited to:
 - Cases with particular attributes
 - Items with particular classifications
 - Items in a particular folder or set



Coding Query: Practice

- Find discussions of Sense of Community by Females
- When selecting the nodes, check “Automatically select descendent nodes”
- Also choose “Add to Project...”

The screenshot shows the 'Coding Query - Results Preview' window. The 'Coding Criteria' section is active, displaying search filters. The 'Search in' section has three buttons: 'All Sources', 'Selected Items...' (which is selected), and 'Selected Folders...'. Below this, there are two rows of criteria:

Operator	Field	Condition	Value	Buttons
All	of the following are true			+ ▼
Coded at	Any Case Where	Person:Gender	equals value	Female - + ▼
Coded at	Any Selected Node	(4) Sense of community Down East,...		- + ▼

Compound Query

⊘ *Not Available in the Mac Version*

- ex. Find instances where Natural Environment is coded in the same ***document*** as Real Estate Development.
- Not just overlapping coding, NEAR

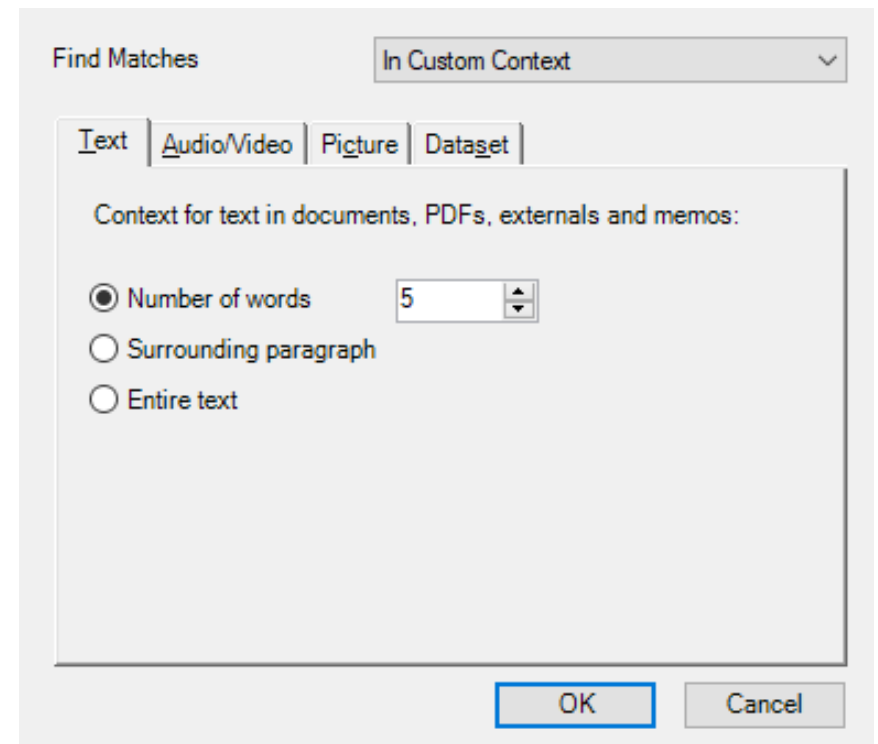
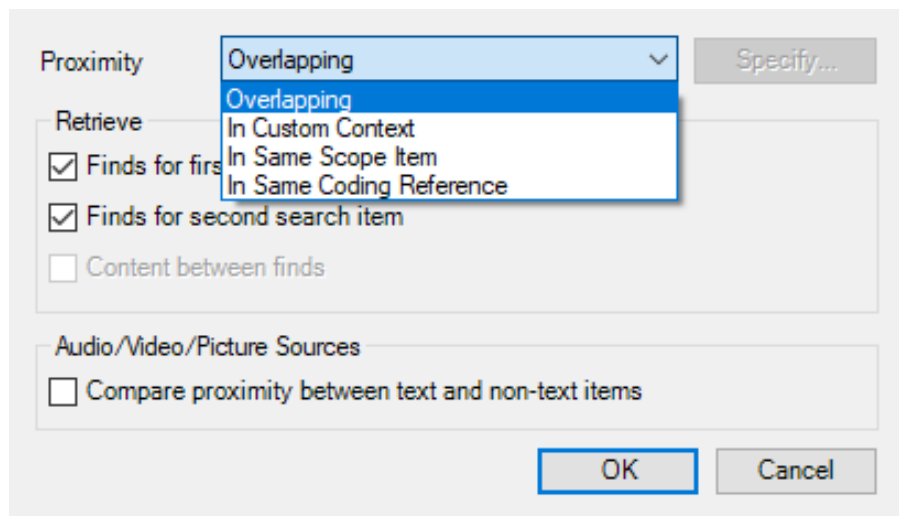
Compound Criteria | Query Options

Search for content matching

Subquery 1	Text Search Query	Criteria...
	AND	Options...
Subquery 2	AND	Criteria...
	OR	
	AND NOT	
	NEAR Content	
	PRECEDING Content	Select...
	SURROUNDING Content	
In		Select...
Where	Created or Modified by Any User	Select...

Compound Queries, cont

- “Same Scope Item” = same File



Challenges

- **Coding Query:**
Sense of Community codes (any) by **Females**
- **Compound Query**
The word **Family** in the **same paragraph** as
Emotion codes (any)
- **Matrix Query**
Compare the **Interviewers** on the **Emotion** codes
elicited

Matrix Query

Cell Content

- By Default it shows Coding References
- Can be Files, or Files with particular criteria

Cell Shading

- White->Blue is best
- Red/Green is okay in some circumstances

Sense of Community by Fema				
	Barbara	Margaret	Susan	Dorothy
	Interviewers & Emotions - Res			
	A : Mixed	B : Negative	C : Neutral	D : Positive
1 : Interview:Interviewer = Henry	6	9	0	6
2 : Interview:Interviewer = Linda	0	1	0	1
3 : Interview:Interviewer = Nancy	0	2	0	2
4 : Interview:Interviewer = Elizabeth	1	1	0	1

Saving

Saving a Query

Saved Queries vs Results

- Queries recalculate on Run
- Results do not change. Can see but not edit the properties
- Node Matrix (in Nodes): Results not linked to the Query

Spread Coding

Export - Data Tab

- **Item:** Looks like Detail View (bottom)
 - It will produce one document for *each* item selected
- **List:** Looks like List View (top), in Excel
- **Codebook** ~~⊘~~ : Nodes with Descriptions
- **Project:** Create a new file with a subset of items

Coding Efficiency

Ways to Code

- Right Click “Code...” or “Code to Recent Nodes”
- Use the Ribbon (see all of Node Tools)
- Drag & Drop (Put Detail View on the Right)
- Quick Coding Toolbar (Win) / Coding Panel (Mac)

Quick Coding Toolbar (Win)

- Use most recent (can be 1 or more)
- Type & Find (CTRL-Q)
- Drop-Down
- Open the select box (...)
- Press Enter to Code using what is in the box or click the first button
- Can be floating

Coding Panel (Mac)

The screenshot shows the NVivo software interface on a Mac. At the top, the window title is "Fredric". The main text area contains a question: "In an 'ordinary' week, how do you currently spend your time? (What takes most time, how much time spent on work, family, leisure etc...?)". Below the question, the word "Respondent" is followed by a paragraph of text. A red box highlights the "Code" button in the top right corner of the window, with a red arrow pointing to a red-bordered callout box that says "Click to open Coding Panel". Below the text, a coding panel is open, showing a list of existing nodes and a list of new codes to be added. The "Existing" list includes nodes like "Nodes\\abcd", "Nodes\\balle", "Nodes\\bbbbbb", "Nodes\\bbbbbb\\Untitled", "Nodes\\Defining volunteer work", and "Nodes\\From my Mind Maps\\Floating idea". The "Code at New..." list includes "Node" and "Case". The "Recent" list includes "Cases\\Untitled (3)", "...\\Defining volunteer work", "Cases\\Untitled (2)", and "Cases\\Untitled".

Fredric

Code Annotations Edit

*In an "ordinary" week, how do you currently spend your time?
(What takes most time, how much time spent on work, family, leisure etc...?)*

Respondent

Well, five days of the week are *real* work. Some nights after work I try to do something other than just have dinner and watch TV, such as play tennis, go to a restaurant or the pictures. We try to do something like this at least two of the five working day evenings, but often it is less than two. On the weekend, Saturday morning is reserved for the weekly shopping. After that I go off

Existing

Search or enter name

- Nodes\\abcd
- Nodes\\balle
- Nodes\\bbbbbb
- Nodes\\bbbbbb\\Untitled
- Nodes\\Defining volunteer work
- Nodes\\From my Mind Maps\\Floating idea

Code at New...

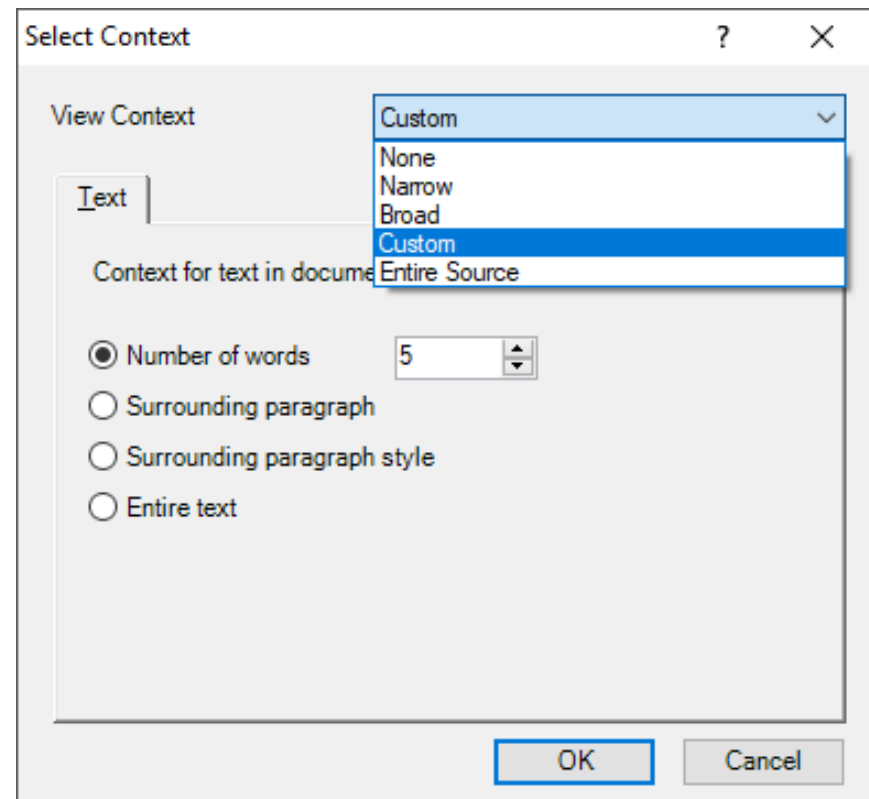
- Node
- Case

Recent

- Cases\\Untitled (3)
- ...\\Defining volunteer work
- Cases\\Untitled (2)
- Cases\\Untitled

From: <https://www.formkunskap.com/new-blog/2017/4/17/faq-nvivo-for-mac-nlo-11>

Context



Visualizations

Maps – Explore Tab

- **Mind Map**: Simple flow chart to represent nodes
 - Can then create as nodes
- **Concept Map** ~~∅~~ : More flexible flow chart or design
 - Can draw shapes or connectors or add individual items
- **Project Map** ~~∅~~ : Flow chart for items in project
 - See what is related to any item (File, node)
- **Explore Diagram**: Quickly create a **Project Map**

Charts & Diagrams – Explore Tab

Closeness

- **Cluster Analysis** ~~⊘~~ : Metrics, like Dendograms
 - By words, coding, or attribute values
- **Comparison Diagram**: By item (ex. File or node)

Amounts

- **Charts**: ~~⊘~~ One- or Two-way Bar Charts
 - For two-way charts use Stacked, NOT 3-D
- **Hierarchy Chart**: aka Tree Map

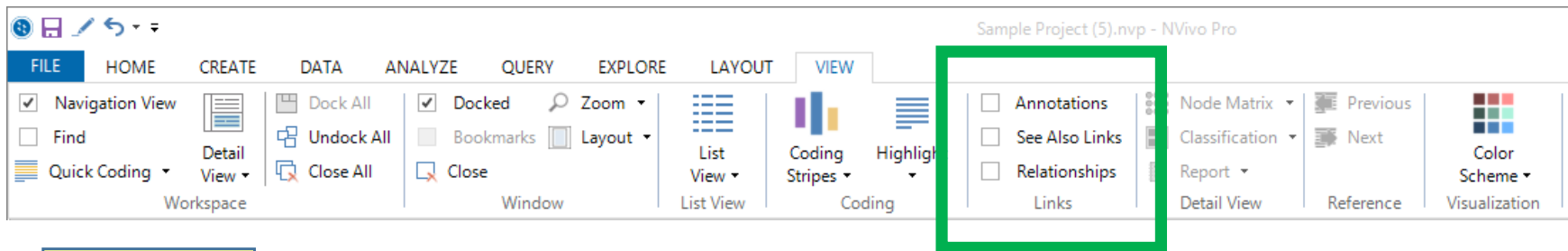
Common Questions

Working with Datasets

How Many Codes?

- Just because you can, doesn't mean you should create tons of them.
- After about 50, reconsider what you are doing.

Links & Annotations




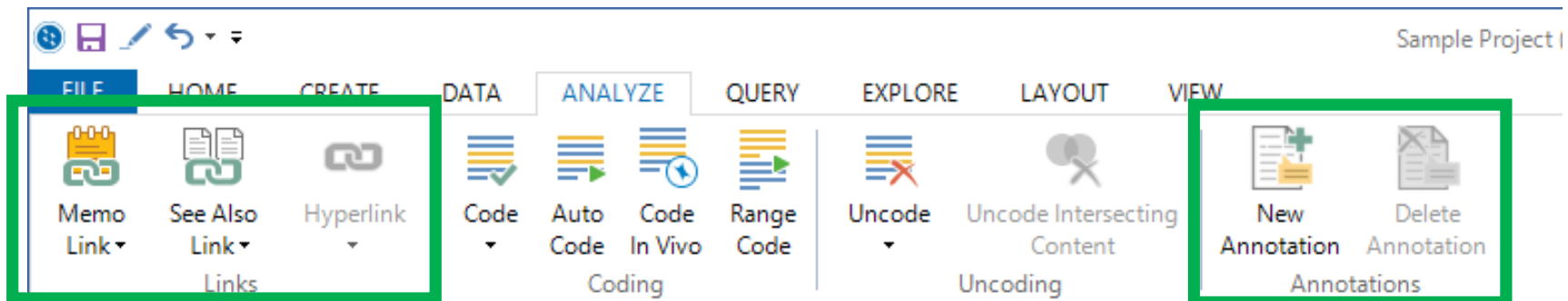
- **Yellow:** Coding to a node

- **Blue:** Annotation

- **Pink:** See Also link ~~Ø~~

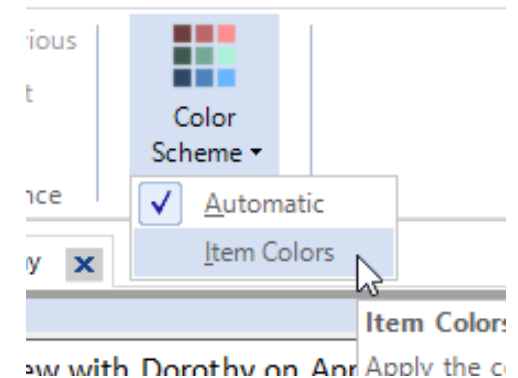
Can use urls/hyperlinks

-  : Memo Link (1 File → 1 memo)



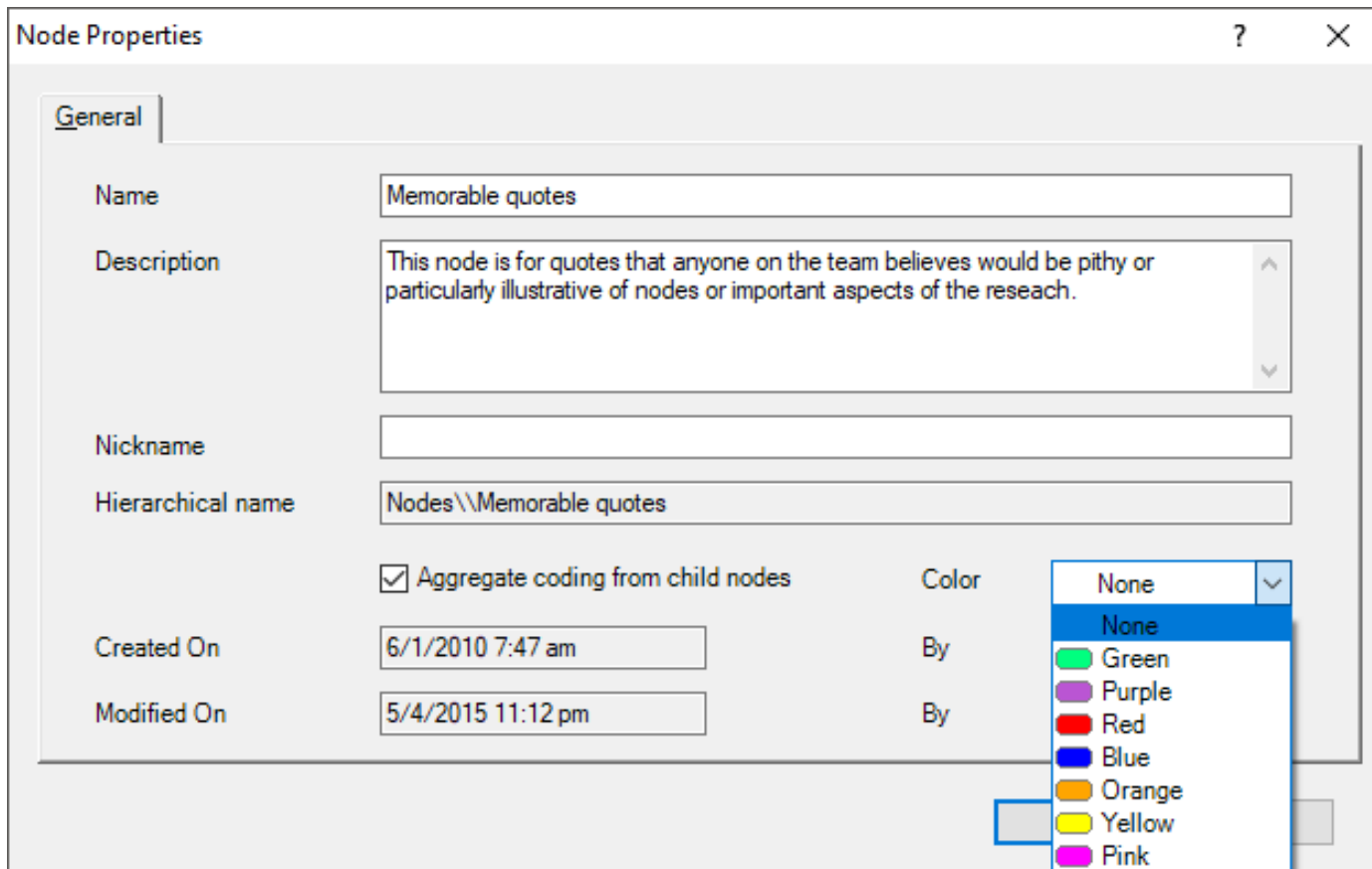
Use your own colors – View Tab

- Open something that uses color
 - Coding Stripes
 - Charts
- Find “Color Scheme” on the far right
- Choose “Item Colors”
- Items not assigned a color are white



Assign Colors

- Most potentially useful to assign color to nodes.
- Do so in Node Properties



The screenshot shows the 'Node Properties' dialog box with the 'General' tab selected. The 'Name' field contains 'Memorable quotes'. The 'Description' field contains 'This node is for quotes that anyone on the team believes would be pithy or particularly illustrative of nodes or important aspects of the reseach.' The 'Nickname' field is empty. The 'Hierarchical name' field contains 'Nodes\\Memorable quotes'. The 'Aggregate coding from child nodes' checkbox is checked. The 'Created On' field shows '6/1/2010 7:47 am' and the 'Modified On' field shows '5/4/2015 11:12 pm'. The 'Color' dropdown menu is open, showing options: None, None, Green, Purple, Red, Blue, Orange, Yellow, and Pink. The 'None' option is currently selected.

Field	Value
Name	Memorable quotes
Description	This node is for quotes that anyone on the team believes would be pithy or particularly illustrative of nodes or important aspects of the reseach.
Nickname	
Hierarchical name	Nodes\\Memorable quotes
Aggregate coding from child nodes	<input checked="" type="checkbox"/>
Created On	6/1/2010 7:47 am
Modified On	5/4/2015 11:12 pm
Color	None